

# First Height-resolved look at BC pyroCb plume, 20150513

**Nutshell: CALIPSO detects smoke at ~10 km on daytime pass one day after pyroCb**

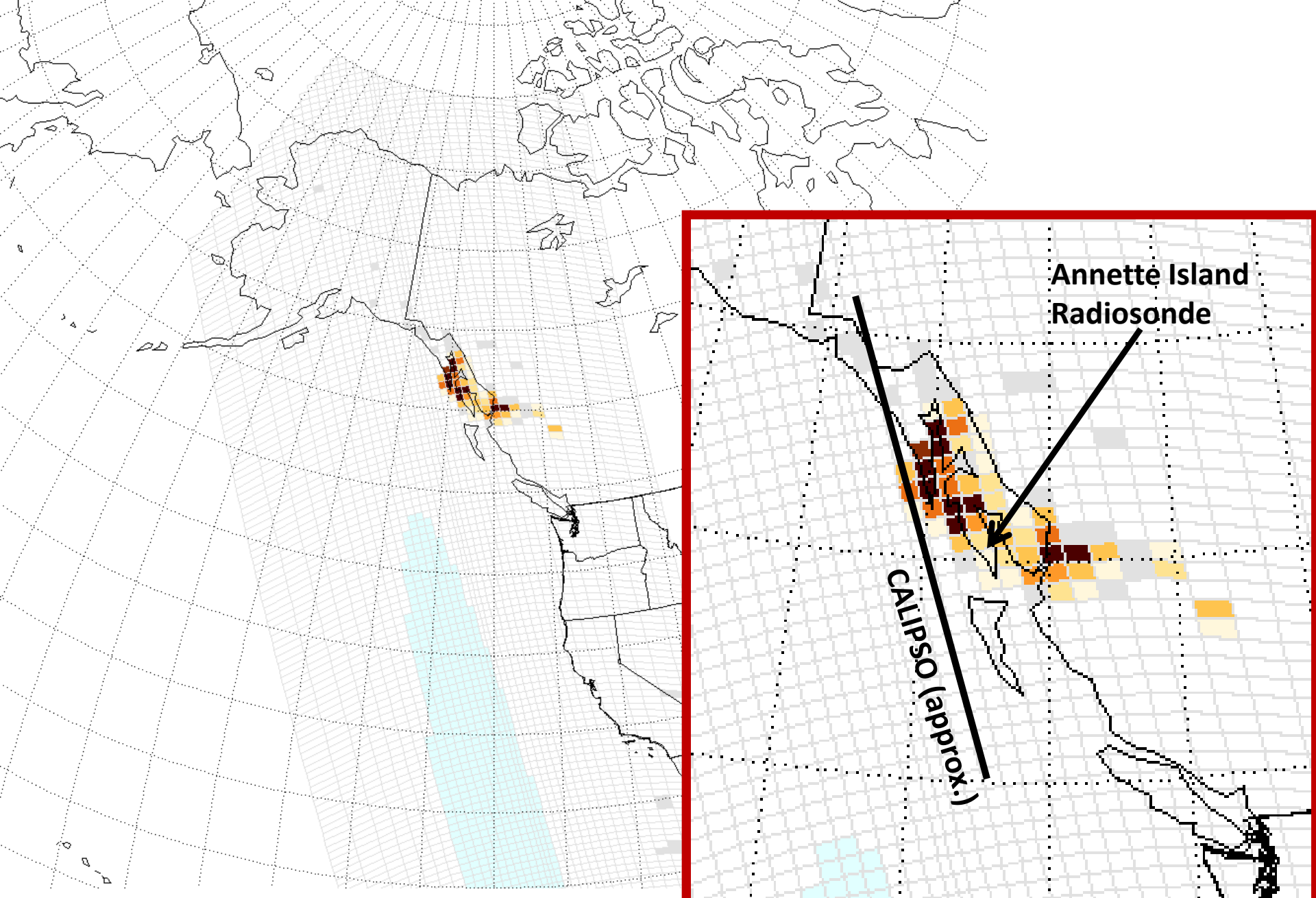
## **Notes:**

- \* strong backscatter, weak depolarization.**
- \* CALIPSO feature near OMPS AI blob.**
- \* Radiosonde very near plume, 2 hours after CALIPSO pass.**
- \* Smoke feature is in the tropopause/lowermost stratosphere region.**

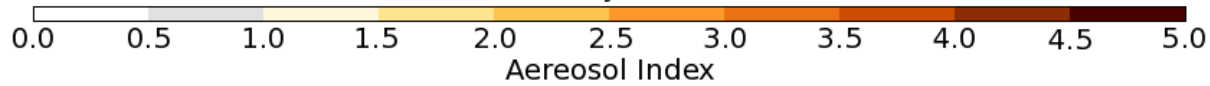
**Credit: Colin Seftor for OMPS AI map.**

**CALIPSO web site [http://www-calipso.larc.nasa.gov/products/lidar/browse\\_images/show\\_calendar.php](http://www-calipso.larc.nasa.gov/products/lidar/browse_images/show_calendar.php)**

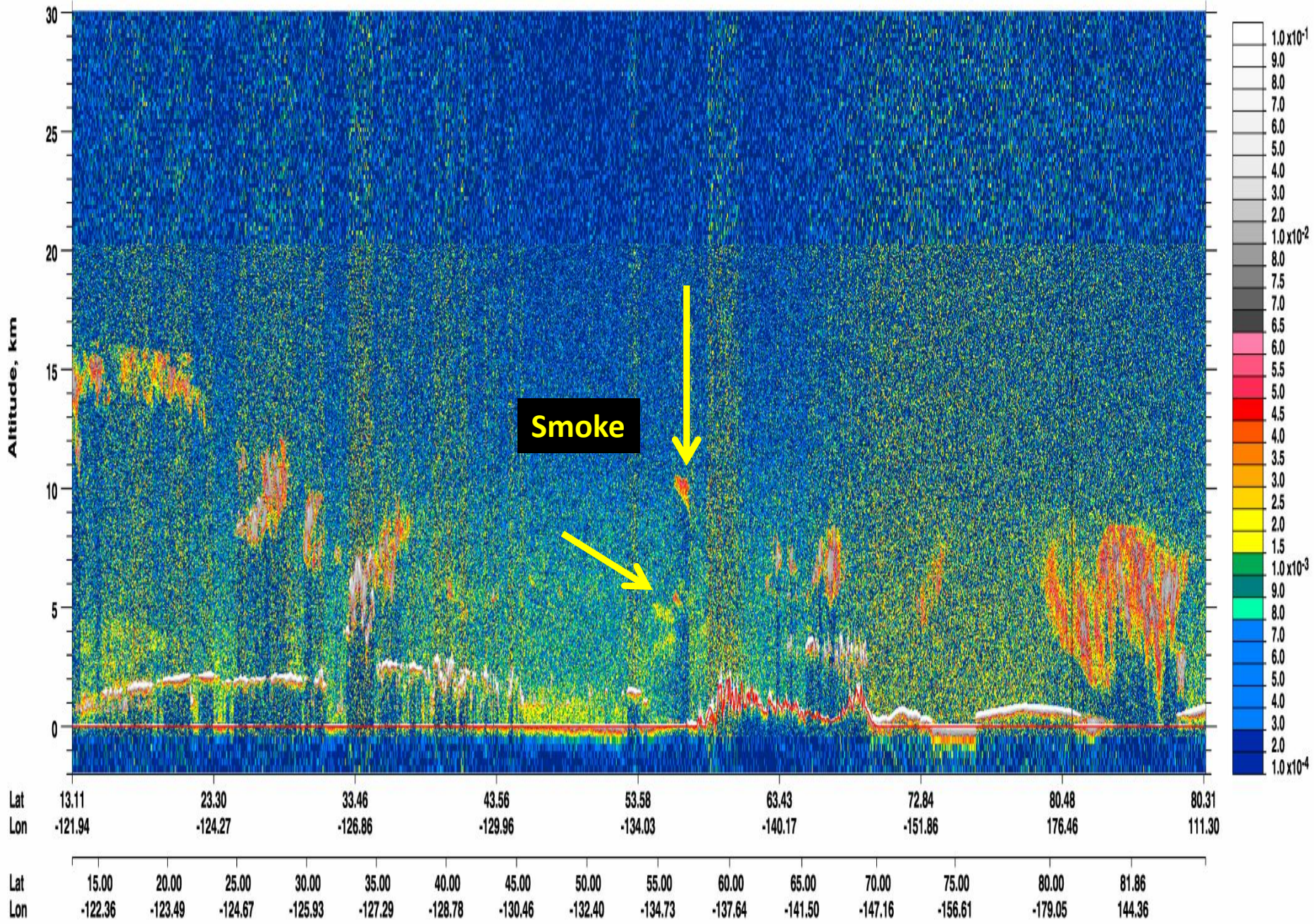
**U WY for radiosonde: <http://weather.uwyo.edu/upperair/sounding.html>**



13 May 2015



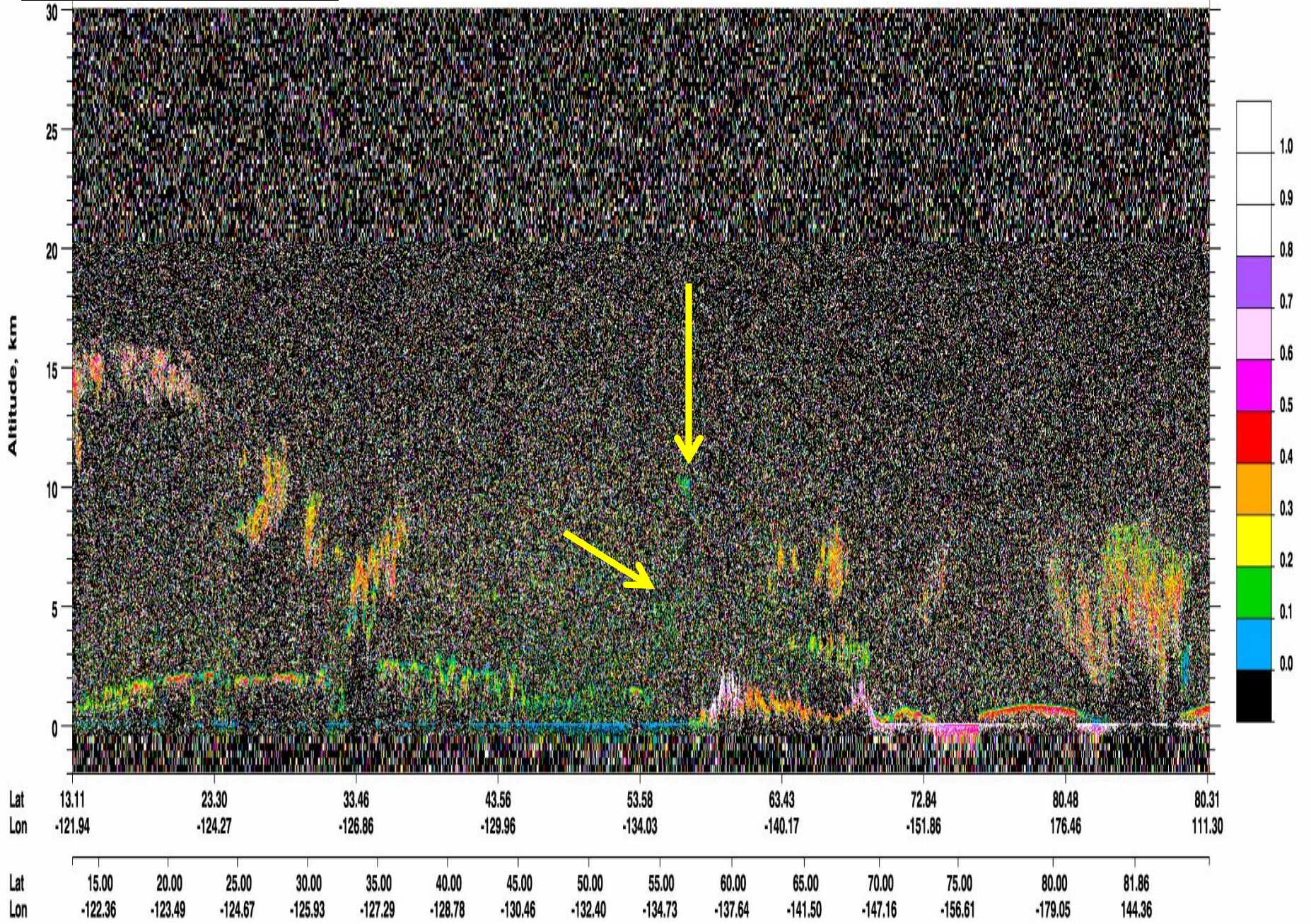






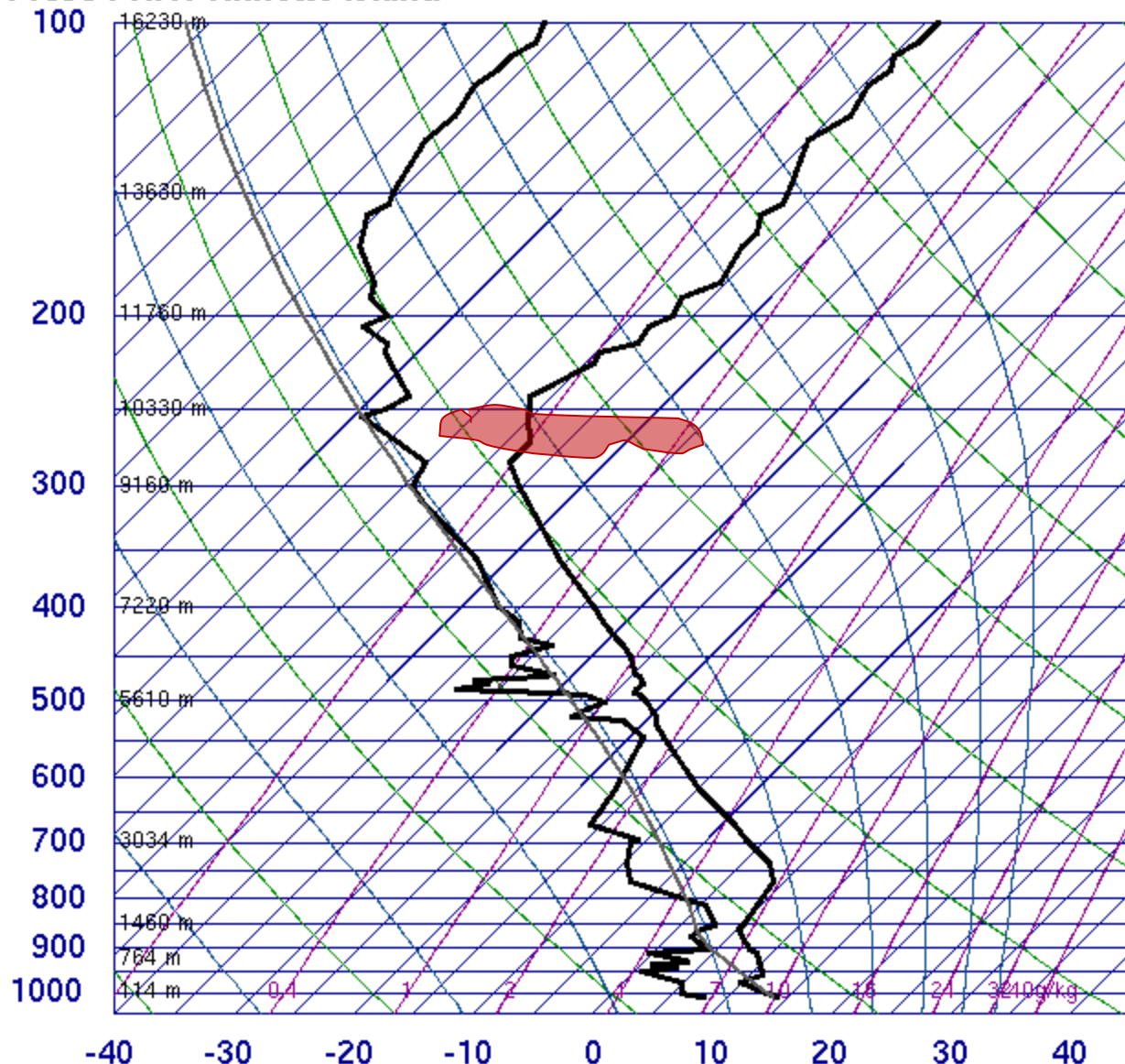
# Depolarization Ratio

Depolarization Ratio UTC: 2015-05-13 21:45:08.9 to 2015-05-13 22:07:42.2 Version: 3.30 Expedited





# 70398 PANT Annette Island



SLAT	55.05
SLON	-131.59
SELV	35.00
SHOW	2.09
LIFT	6.18
LFTV	6.21
SWET	117.6
KINX	19.70
CTOT	24.50
VTOT	26.90
TOTL	51.40
CAPE	0.00
CAPV	0.00
CINS	0.00
CINV	0.00
EQLV	-9999
EQTV	-9999
LFCT	-9999
LFCV	-9999
BRCH	0.00
BRCV	0.00
LCLT	276.1
LCLP	883.3
MLTH	286.1
MLMR	5.44
THCK	5496.
PWAT	17.78

00Z 14 May 2015

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